

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

## PCT

### NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

<b>To:</b>  Johansson Folke c/o Nokia Corporation P.O.Box 226 FIN-00045 NOKIA GROUP Finland	1 7. 09. 99
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Date of mailing <i>(day/month/year)</i>	<b>1 5 -09- 1999</b>
<b>FOR FURTHER ACTION</b> See paragraphs 1 and 4 below	
International filing date <i>(day/month/year)</i>	<b>12-02-1999</b>

Applicant's or agent's file reference <b>7431 WO</b>
International application No. <b>PCT/FI99/00111</b>

Applicant <b>Nokia Mobile Phones Ltd.                  et al</b>
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1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.

**Where?** To the International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland  
 Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  
☐ no decision has been made yet on the protest: the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the ISA/ Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Telex 17978 PATOREG-S	Authorized officer <div style="text-align: center; border: 1px solid black; padding: 2px; display: inline-block;"> <b>Christina Wall</b> </div> Telephone No. 08-782 25 00
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## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>7431 WO</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/FI 99/00111</b>	International filing date ( <i>day/month/year</i> ) <b>12 February 1999</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>9 March 1998</b>
Applicant <b>Nokia Mobile Phones Ltd. et al</b>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (See Box I).
2. ☐ Unity of invention is lacking (See Box II).
3. ☐ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing
  - ☐ filed with the international application.
  - ☐ furnished by the applicant separately from the international application,
    - ☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.
  - ☐ transcribed by this Authority.
4. With regard to the title, ☒ the text is approved as submitted by the applicant.  
☐ the text has been established by this Authority to read as follows:
5. With regard to the abstract,
  - ☒ the text is approved as submitted by the applicant.
  - ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is:
  - Figure No. 1 ☒ as suggested by the applicant. ☐ None of the figures.
  - ☐ because the applicant failed to suggest a figure.
  - ☐ because this figure better characterizes the invention.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 99/00111

## A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04M 11/00, G08C 17/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: G08C, H04B, H04M, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓	US 5568535 A (ELIEZER A. SHEFFER ET AL), 22 October 1996 (22.10.96), column 1, line 10 - column 13, line 45, figures 1-13, abstract --	1-11
✓ A	US 4814711 A (STEVEN L. OLSEN ET AL), 21 March 1989 (21.03.89), abstract --	1-11
✓	EP 0622625 A2 (HUGHES AIRCRAFT COMPANY), 2 November 1994 (02.11.94), figure 1, abstract --	1-11

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

13 Sept. 1999

Date of mailing of the international search report

15-09-1999

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 99/00111

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<del>Y</del>	GB 2233088 A (THE NATIONAL RIVERS AUTHORITY), 2 January 1991 (02.01.91), page 1, line 1 - page 6, line 22, figures 1-7, see the claims  --	1-11
Y	DE 4321037 A1 (DETECON DEUTSCHE TELEPOST CONSULTING GMBH), 2 February 1995 (02.02.95), column 1, line 1 - column 5, line 42, figure 1  --	1-11
Y	WO 9749077 A1 (NOKIA MOBILE PHONES LTD), 24 December 1997 (24.12.97), page 11, line 20 - line 21, abstract  * -----  --	1-11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

30/08/99

International application No.

PCT/FI 99/00111

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5568535 A	22/10/96	US 5515419 A EP 0643860 A JP 8501645 T US 5218367 A WO 9324911 A	07/05/96 22/03/95 20/02/96 08/06/93 09/12/93
US 4814711 A	21/03/89	AU 569381 B AU 4010485 A CA 1237769 A EP 0158495 A US 4686474 A	28/01/88 10/10/85 07/06/88 16/10/85 11/08/87
EP 0622625 A2	02/11/94	JP 7072070 A	17/03/95
GB 2233088 A	02/01/91	NONE	
DE 4321037 A1	02/02/95	NONE	
WO 9749077 A1	24/12/97	AU 3177197 A EP 0907942 A FI 2607 U FI 960362 V	07/01/98 14/04/99 27/09/96 17/06/96